

#8. California Coast.

D^r 4500 to D^r 4548.

Hg.

May 19th to June 7th, 1904.

၆၆၀ ၈

Dr° 4450

Say 4499

4499
 May 10-04 4437 Monterey

 62

4545
 4303

 242

4502
 4303

 200 dredge hauls since
 commencement.

12" Butterfly No 10 Silk
 6" Butterfly No 20 Silk

3600 - 143

018

Hy 4799

Dr 4450

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D. 4500*Date *May 19 1904**Tanner*

Machine.

Reel.

Turns *14* Cor. + *0*Depth *14 fms*Shot or lead *26 lbs*Bottom *fine gy. hrd S*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *53°* Surface *53* DriftTrawl or dredge *8 Tanner* *2 Huttell* *2 Huttell* *Wright* *Remick* *Guy*

SOUNDING WIRE.

DOWN. *A* *M* UP.

TURNS.

DREDGE ROPE.

DOWN. *A* *M* UP.*9.46.00**✓**0**9.47**10.11.30**25**9.49**✓ 10.09.00**100**200**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400**Time out 20 m**Gul Charactm
of Bottom**Hard Sand
small shell*

Fog too dense to
take bearings or
angles.

Dredge Course
E S E 1/2 E

Bar 30.01 } see log
Therm at 60° }

Foggy
Calm

" Very thick fog "

" Calm and "

" mod swell "

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200	2 Butterfly nets 12" N# 10 silk			
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr 4501* Date *May 19, 1904*Tanner Machine. Reel. *Tanner*Turns *12* Cor. + *0* Depth *12 fms*Shot or lead *26 lbs*Bottom *fine crs S.*Bottom temperature *-*No. of thermometer *-*Cor. *-*Corrected temperature *-*Air *53°* Surface *53°* Drift *2 mi N. 1/2 E.*Trawl or dredge *8' Tanner beam trawl*

SOUNDING WIRE.

DOWN. *A* *M* UP.

TURNS.

DREDGE ROPE.

DOWN. *A* *M* UP.*10.17.00**✓**0**10.17.00**40-**100**10.18.00**10.38.00**200**Intermediate Soundings**Time 20 min.**10.22.00**12+0=12 fms**300**10.27.00**12+0=12 "**400**10.33.00**11+0=11 "**500**10.37.00**11+0=11 fms**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400**Soil Character of Bottom**Hard sand
very little in trawl
many specimens
Came up in lumps
and better flynets*

Dredging Course SSE 1/2 E		2500	Dense Fog observing all marks or Δ , \circ etc, etc	
Bar 30.00		2600		
Therm. at 61° } see Thick Fog } ships log		2700		
Calms		2800		
		2900		
		3000		
		3100		
		3200		
Tanner Trawl this time		3300		
Lined with 2 wingnets		3400	(No. 10 butterfly silk - nets)	
2 tangles and bag at tail, 2 butterfly wingnets		3500		
2 punceup lights and pounceup gill		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200	Butterfly nets 12'			No 10 silk
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr 4502* Date *May 19 - 1904*

Tanner Machine. Reel.

Turns *11* Cor. + *0* Depth *11 fms*

Shot or lead *26 lbs*

Bottom *hrs*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air *53°* Surface *53°* Drift *—*

Trawl or dredge *8' Tanner beam trawl*

SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	A	M UP.		DOWN.	A	M UP.
<i>10.47.00</i>		<i>10.48.00</i> ✓	<i>0</i>	<i>10.47.00</i>		<i>11.13</i>
			<i>100</i>	<i>10.49.00</i>		<i>11.11.30</i>
<i>Bottom Sounding</i>			<i>20</i>			
			<i>200</i>			
<i>10.53.00</i>		<i>10.54.00</i>	<i>300</i>	<i>Time out</i>		<i>22 1/2 m</i>
<i>10.58.00</i>		<i>10.59.00</i>	<i>400</i>			
<i>11.03.00</i>		<i>11.04.00</i>	<i>500</i>	<i>Water haul</i>		
<i>11.08.00</i>		<i>11.09.00</i>	<i>600</i>			
<i>11.12.00</i>		<i>11.13.00</i> ✓	<i>700</i>			
			<i>800</i>			
			<i>900</i>			
			<i>1000</i>			
			<i>1100</i>			
			<i>1200</i>			
			<i>1300</i>	<i>Soft Clayey Bottom</i>		
			<i>1400</i>			
			<i>1500</i>	<i>Hard sandy bottom</i>		
			<i>1600</i>			
			<i>1700</i>	<i>barren</i> ✓		
			<i>1800</i>			
			<i>1900</i>			
			<i>2000</i>			
			<i>2100</i>			
			<i>2200</i>			
			<i>2300</i>			
			<i>2400</i>			

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr 14503* Date *1911*

Machine. Reel.

Turns *7* Cor. + *0* Depth *7 fms.*

Shot or lead *16 lb.*

Bottom *sd.*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air *63°* Surface *57°* Drift

Trawl or dredge *8' m. 2 wings, 2 floats, 2 trawls, 2 nets*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.01.00</i>	<i>✓</i>	<i>0</i>	<i>1.04.00</i>	<i>1.29.00</i>
		<i>100</i>	<i>1.06.00</i>	<i>1.28.00</i>
		<i>200</i>	<i>= 22 min.</i>	
<i>1.05.00</i>	<i>8 fms.</i>	<i>300</i>		
<i>1.10.00</i>	<i>8</i>	<i>400</i>		
<i>1.21.00</i>	<i>8</i>	<i>500</i>	<i>Good character</i>	
		<i>600</i>	<i>red haul.</i>	
		<i>700</i>	<i>good bottom.</i>	
		<i>800</i>		
		<i>900</i>		
		<i>1000</i>	<i>Beam of trawl</i>	
		<i>1100</i>	<i>cut 1st net</i>	
		<i>1200</i>	<i>clipped</i>	
		<i>1300</i>	<i>th</i>	
		<i>1400</i>		
		<i>1500</i>	<i>6" (6")</i>	
		<i>1600</i>		
		<i>1700</i>	<i>12" 1st net</i>	
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

Showing

butting

on

runner

Trawl at

	2500	
	2600	Being Bluff
	2700	102° 30'
	2800	Takings beginning
	2900	
	3000	
	3100	
	3200	
	3300	Dr. 503.
Dr. 503.	3400	Position, 1.04.00
Chas. 503.	3500	S. 503.
503.	3600	Sag. wharf NW 1/4 S
503.	3700	1.18.30
503.	3800	Wharf NW 1/4 S
503.	3900	Sag. wharf NW 1/4 S
503.	4000	Bluff E 1/2 S.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	1.10	1.20	Sag. wharf NW 1/4 S	
50	1.14	1.31	Bluff E 1/2 S.	
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1.10 1.20 1.31
 Sketch on opposite page.

No. 1814 Date 10 Jan 1914

Tanner Machine. Reel.

Turns 10 Cor. + 0 Depth 10 fms.

Shot or lead 26 lb

Bottom sandy

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 63° Surface 57° Drift

Trawl or dredge 8' Tanner beam trawl, with bent beam.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.39.	✓	0	1.39.30	1.41.00
		100	1.40.00	1.54.10
		18		= 14 mins.
1.42	10 fms	300		
1.47	10 "	400	gal. chamber	
1.51	10 "	500	4. Bottom:	
		600		
		700	hard sand.	
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
Dr. Course, ESE 1/2 E	2900	Position - 1.0 - 6.
Clear, hazy horizon.	3000	Sound - WSW 3/4 W
Gentle breeze from SW.	3100	Wind - 4 knots
Sea, smooth.	3200	Bar - 30.0
Bar. 29.95	3300	Therm. - 15.20
Therm. 62.0	3400	Time - 22.25
Forecast quite good.	3500	2.40 - E 1/2 S.
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
Therm. 1.5 m. Sub. Temp.				
50	1.49. - 1.44.5 min.			
100	1.47. - 1.55. 8 min.			
200		15.2		
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4505* Date *19 Jan 1874*

Tanner Machine. Reel.

Turns *10* Cor. + *0* Depth *10 fms.*

Shot or lead *26 lb*

Bottom *sandy.*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air *57°* Surface *57°* Drift.

Trawl or dredge *10 Tanner fitted as last appeared*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.00</i>	<i>✓</i>	<i>0</i>	<i>2.00</i>	<i>2.20.00</i>
		<i>100</i>	<i>2.04</i>	<i>2.25.00</i>
<i>1/2 min. Sdgy.</i>		<i>10</i>		<i>= 2 1 min</i>
<i>2.06</i>	<i>10 fms.</i>	<i>200</i>		
<i>2.12</i>	<i>10 "</i>	<i>300</i>		
<i>2.17</i>	<i>10 "</i>	<i>400</i>		
<i>2.22</i>	<i>10 "</i>	<i>500</i>		
		<i>600</i>		
		<i>700</i>		
		<i>800</i>		
		<i>900</i>		
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

	2500	
	2600	
	2700	
	2800	
Dr. Course, ESE 1/2 E	2900	Position.
Clear, Large horizon.	3000	2.02.55
Small horizon, S.W.	3100	Tank - Bluff 2400
Small horizon.	3200	Bluff - 2400
From 24.05	3300	2.19.00
From 24.05	3400	Tank - Bluff 2500
Report nullified	3500	Bluff - 2500
	3600	2.28.00
	3700	Small horizon 2600
	3800	Small horizon 2600
	3900	Tank - Bluff 2600
	4000	Bluff - 2600

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	2.05	2.10:10 min.		
50	2.05	2.10:10 min.		
100	2.15	2.25:10 min.		
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *5506* Date *19 July 1902*

Tanner Machine. Reel.

Turns *9* Cor. + *0* Depth *9 fms.*

Shot or lead *26 lb*

Bottom *sandy.*

Bottom temperature

No. of thermometer *57* Cor.

Corrected temperature

Air *57°* Surface *57°* Drift

Trawl or dredge *16' beam trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

2.28.00 *3.00.00*

100

2.40.00 *2.51.00*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Inter. Snd.

2 42 00

47 00

52 00

57 00

gent. ... of bottom

has found

	2500	
	2600	
	2700	
	2800	
Dr. Course, 2.500 m.	2900	
All remaining in 1000	3000	
	3100	End run. - B. 45° 41'
	3200	Tank - 50° 00'
	3300	Bluff - 50° 11'
	3400	Tank - 50° 20'
	3500	2.47.00
	3600	End run. - B. 50° 00'
	3700	Tank - 53° 34'
	3800	Bluff - N E x E 1/8 E
	3900	Tank - S E x E 1/4 E
	4000	

SERIAL TEMPERATURES.

2.47.00

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
75	2.48	1	70° 07'	
50			69° 46'	
100	2.48 -	2.48.10.20	N E x E 1/8 E	
200	2.48 -	2.48.10.20		
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

21.54-57-2-9.00-9.3
9.06-09-13-9.13-9.18-9.21-9.24

No. 2 Date

Machine. Recl. *Jan 1*

Turns 285 Cor. + 23 Depth 308

Shot or lead 36 lbs

Bottom *gn M*

Bottom temperature - 44.7 10.2

No. of thermometer - 7500 Cor.

Corrected temperature

Air 50° Surface 54° Drift

Trawl or dredge 15' *4 ft 11 in*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100	9.15.30	10.18.30
<i>Interm Sand</i>		200	9.20.15	10.14.30
		300		10.10.30
		400		10.05.30
		500		10.00.30
		600		9.55.30
		700		9.50.30
<i>Surface Turbidity</i>		800		
9.42	10.33	900		
9.35		1000		
		1100		
		1200		
		1300		
		1400		
at 10.12		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

7.17 Lat one
 10.17
 10.17

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900

SERIAL TEMPERATURES.

DEPTH	TEMP.	NO. OF THER.	COR.	COR. TEMP.
3				
50	when	was put on		
100	then at 10.	ca down to 100 fms		
200				
300				
400				10.41
500				10.42
600				10.42
700				
800				
900				
1000				10.41

REMARKS:

Vertical (Kohler) Net.

H. R.

No. *71* Date *Mar 20, 1901*

Sigsbee Machine. Reel. *1*

Turns Cor. + Depth *243*

~~Shot~~ or lead *36 lbs*

Bottom *sd m M.*

Bottom temperature *44.4*

No. of thermometer *98246* Cor.

Corrected temperature

Air *50°* Surface *46°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.46.00</i>	<i>10.50.00</i>	0	<i>10.57.00</i>	
		50	<i>10.58.30</i>	
		100	<i>10.59.30</i>	
		150	<i>11.00.30</i>	
		200	<i>11.02.30</i>	
		250		
		300		
		350		
		400	<i>11.03.30</i>	
		450		
<i>11.20.00 = 221 + 22 = 303</i>		500		
		600		
		700	<i>11.05.30</i>	
		800	<i>reduction</i>	
		900		
		1000		
		1100		
		1200	<i>bottom</i>	
<i>over at 10.54</i>	<i>46 min.</i>	1300		
<i>in at 11.34</i>	<i>font.</i>	1400		
		1500		
		1600		
<i>surface not over</i>		1700		
<i>at 10.55</i>		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

<i>5 1/2 30</i> <i>10.45 bronze</i> <i>from 103 W - 12.5</i> <i>C. 12.5</i>	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 15750 Date 20 July 1934

Machine. Reel. 1

Turns 265 Cor. + 21 Depth 286 fms.

Shot or lead 35 lb

Bottom gy. M.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 57° Surface 55° Drift

Trawl or dredge 8' Tur. dredge, 2 fms. cur. & llwts. 12" & 6" B. trf. 6.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.06 ✓ 0 1.09.30 1.59.50

1.10.30 100 1.14.30 1.54.10

1.20.30 200 1.20.30 1.46.30

1.30.30 300 1.22.30 1.38.30

1.40.30 400 1.26.30 1.34.30

1.50.30 500 1.27.40 1.30.30

1.55.30 600 1.28.30 1.28.30

1.58.30 700 1.29.30 1.26.30

1.59.30 800 1.30.30 1.24.30

2.00.30 900 1.31.30 1.22.30

2.01.30 1000 1.32.30 1.20.30

2.02.30 1100 1.33.30 1.18.30

2.03.30 1200 1.34.30 1.16.30

2.04.30 1300 1.35.30 1.14.30

2.05.30 1400 1.36.30 1.12.30

2.06.30 1500 1.37.30 1.10.30

2.07.30 1600 1.38.30 1.08.30

2.08.30 1700 1.39.30 1.06.30

2.09.30 1800 1.40.30 1.04.30

2.10.30 1900 1.41.30 1.02.30

2.11.30 2000 1.42.30 1.00.30

2.12.30 2100 1.43.30 98.30

2.13.30 2200 1.44.30 96.30

2.14.30 2300 1.45.30 94.30

2.15.30 2400 1.46.30 92.30

	2500	
	2600	
	2700	
	2800	
Dr. Comm. E. S. L.	2900	Bottom:
Clear, blue water.	3000	Bottom: 1000 fms.
Lot. Bragg, com. N. E. S. 10.	3100	Bottom: 1000 fms.
Smooth Sea.	3200	Water: 1000 fms.
10 m. 20 fms.	3300	at 1000 fms.
Therm. at 62°/	3400	at 1000 fms.
A dozen Goniads in water	3500	
of fish.	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	62.5	1000		
50	62.5	1000		
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Turns 1st Cor. + 100

Depth 124 fms

~~Shot or lead~~ 75K

Bottom 24 m.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air (-4) Surface $\sqrt{5}$ Drift

Trawl or dredge O. 2 fathoms, weight 40 lbs., 1 nettle fl. 100

9-571

	2500	
	2600	
	2700	
	2800	
	2900	
Down Course, E x N.	3000	Position - 212.0
Clear, hazy horizon	3100	Current - 500.
1.5 mi. 16.5.1.	3200	W. 1/2 - 4.5 x 5.0
Smooth Sea.	3300	1.5 mi.
Bar. 29.95	3400	W. 1/2 - 4.5 x 5.0
Ther. at. 61	3500	Current - 500.
A few gulls around.	3600	W. 1/2 - 4.5 x 5.0
C. 1/2	3700	W. 1/2 - 4.5 x 5.0
	3800	W. 1/2 - 4.5 x 5.0
	3900	W. 1/2 - 4.5 x 5.0
	4000	W. 1/2 - 4.5 x 5.0

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4511.* Date *20 May 1904**Sigsbee* Machine. Reel. *Navy*Turns *120* Cor. + *10* Depth *130 fms.*~~Shot on lead~~ *35%*Bottom *gy. mud M.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *58°* Surface *55°* DriftTrawl or dredge *8' T. & B. dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>2.55.00</i>	<i>4.07.00</i>
		100		<i>4.08.00</i>
		200		<i>3.09.00</i>
		300		
		400		
		500		
		600		
		700	<i>4.09.00</i>	
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
Loc. 100, S.W.	3000	Bottom: 100.00
Clear, deep, sandy	3100	100.00
1st layer from 100.00	3200	100.00
2nd. 29.99	3300	100.00
3rd. 18. 60.00	3400	100.00
4th. 10. 100.00	3500	100.00
5th. 10. 100.00	3600	100.00
6th. 10. 100.00	3700	100.00
7th. 10. 100.00	3800	100.00
8th. 10. 100.00	3900	100.00
9th. 10. 100.00	4000	100.00

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4512 Date Mon 23, 1904

Machine. Reel.

Turns 434 Cor. + 35 Depth 469 fms

Shot or lead

Bottom

Bottom temperature 41.1

No. of thermometer Cor.

Corrected temperature 98.46

Air 54° Surface 55° Drift

Trawl or dredge

SOUNDING WIRE.

DOWN. A. V. UP.

TURNS.

DREDGE ROPE.

DOWN. A. UP.

7.16.00	9.27.00	0	9.24.00	10.36.00
		100	9.28.20	10.38.00
		200		
		300		
		400		
		500		
		600		
		660		
		800		
		900		
		1000		
		1100		
		1200	The Current is with.	
		1300	The Current is	
		1400		
		1500	no current, good ground	
		1600		
		1700	Chankate in Bottom	
		1800		
		1900	Chankate in Bottom	
		2000		
		2100		
		2200		
		2300		
		2400		

<p> <i>E.S.</i> <i>Throat, 610</i> <i>overcast, heavy</i> </p>	2500	
	2600	<i>10.08.00</i>
	2700	<i>Recd. 26</i>
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
<i>10.15.00</i> 25	<i>3. Koh. & Vertical Net sent down</i>			
<i>10.20</i> 50	<i>and 1 1/2 Manila line to a depth</i>			
<i>10.37</i> 100	<i>300, 200 and 100 fathoms being</i>			
<i>10.40</i> 200	<i>attached to the line at these distances</i>			
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4513 Date Mar 23 1904

Sigsbee Machine. Reel. Navy Reel

Turns 422 Cor. + 34 Depth 456 fms

Shot or lead 35 lbs

Bottom gy. M.

Bottom temperature

No. of thermometer 98946 Cor.

Corrected temperature

Air 54° Surface 55° Drift

Trawl or dredge 1) 2) 3) 4) 5) 6) 7) 8) 9) 10)

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11	11	0	11. 12. 30	12. 07. 15
		100	11. 14. 20	12. 08. 05
		200		12. 10. 20
11. 30. 30 + 29 = 39		300		
11. 44 = 382 + 31 = 413		400	11. 22. 30	11. 53. 40
		500	11. 25. 10	11. 50. 15
		600	11. 28. 00	11. 48. 30
		700	11. 30. 00	
		800	11. 32. 00	11. 47. 30
		900	11. 47. 550 fms	
		1000		
		1100		
		1200		
		1300		
		1400	Yul. (Time) 11. 50. 00	
		1500		
		1600	very bad	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Dr. Chase	2500	
E.S.E.	2600	
2887	2700	
2800	2800	2800
	2900	2800
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	at 11, -	102	12.13.10	✓
50	surface	102	12.13.10	✓
100	200. and 102	102	12.13.10	✓
200	have them up at 12.00.00	102	12.13.10	✓
300			12.13.10	✓
400			12.13.10	✓
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *100* Date *Dec 11*
Sigsbee Machine. Reel. *24*
 Turns *486* Cor. + *38* Depth *524 fms.*

Shot or lead *35 lb*

Bottom *gy. m.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *58°* Surface *55°* Drift

Trawl or dredge *10' Dredge, 10' Dredge, 1' Trawl, 2' Trawl, 8' Dredge*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>1.22.00</i>	<i>2.32.00</i>	0	<i>1.22.30</i>	<i>2.30.00</i>
<i>1.22.00</i>	<i>2.32.00</i>	100	<i>26.20</i>	<i>28.10</i>
<i>1.44.00</i>	<i>406 fms</i>	150	<i>30.00</i>	<i>27.00</i>
<i>53 - 394</i>	<i>394</i>	200	<i>32.15</i>	<i>25.15</i>
		300	<i>35.10</i>	<i>23.10</i>
		350		<i>17.35</i>
		400	<i>37.55</i>	<i>16.00</i>
		450	<i>40.50</i>	<i>15.40</i>
		500	<i>44.00</i>	<i>10.50</i>
		550		<i>08.30</i>
		600		<i>02.30</i>
		650	<i>1.44.00</i>	<i>1-50-00</i>
		700		
		800	<i>Heavy strain. At 1.50</i>	
		900	<i>attempted to leave in 50 fms</i>	
		1000	<i>as water shallowing, put</i>	
		1100	<i>had to rear on rest of the</i>	
		1200	<i>strain. At 1.56 ascend</i>	
		1300	<i>ed to leave in, stopped.</i>	
		1400	<i>at 600 fms. at 2.02.30</i>	
		1500	<i>Here in again at 2.04.</i>	
		1600	<i>Travelling at 1.44</i>	
		1700	<i>1.44 6 m</i>	
		1800		
		1900		
		2000	<i>Gen. character</i>	
		2100	<i>of bottom:</i>	
		2200	<i>good haul,</i>	
		2300	<i>much.</i>	
		2400		

	2500	
	2600	
	2700	
	2800	
Dr. Core, E.S.E.	2900	Position.
Direct, ...	3000	2 miles West
... ..	3100	from 1.4.13.
... ..	3200	at 11.4.13. S 56° E 2.34.
... ..	3300	
... .. 85	3400	
... .. 63	3500	
... ..	3600	
... ..	3700	
C = 1/2, 3/4;	3800	
3823 - 159	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4515* Date *22 Jan. 1904**Sinker* Machine. Reel. *121/10m*Turns *341* Cor. + *27* Depth *368 fms.*~~Shot or lead~~ *358*Bottom *gy. M. S. L. S. L.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *56°* Surface *54°* DriftTrawl or dredge *7.5, Sinker, 3000.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.26.00</i>	<i>✓</i>	0	<i>2.26.20</i>	<i>2.39.00</i>
		100	<i>42.00</i>	<i>38.00</i>
		200	<i>42.00</i>	<i>37.00</i>
<i>Inter. S. L.</i>		300	<i>46.10</i>	<i>36.00</i>
<i>2.55 - 49 - 50</i>	<i>✓</i>	400	<i>48.50</i>	<i>2.27.00</i>
<i>3.10 - 1/200</i>		500	<i>51.20</i>	
<i>3.20 - 198 - 1</i>	<i>✓</i>	550	<i>53.00</i>	<i>2.27.00</i>
<i>3.30 - 178 - 1</i>		600	<i>54.00</i>	<i>2.27.00</i>
		650	<i>55.00</i>	<i>2.27.00</i>
		700		
		800	<i>Trailing from 2.55.00 to</i>	
		900	<i>2.21.00 = 28 min.</i>	
		1000		
		1100		
		1200	<i>Gal. Chamber</i>	
		1300	<i>of 10 min.</i>	
		1400	<i>Lead (and Sinker)</i>	
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
Dr. Course E.S.E.	2900	P. Pin. H. S.E. 1/2 E
Overcast, misty.	3000	
Van Zile bridge fr. South	3100	Pin. H. S.E. 1/2 E
(South side)	3200	Pin. H. - ENE 1/2 E
Bar. 29.85	3300	Bar. - 29.85
Therm. att. 60°	3400	Pin. H. - ENE 1/2 E
Pin. H. - 29.85	3500	
Therm. att. 60°	3600	Bar. - 29.85
Pin. H. - 29.85	3700	Pin. H. - 29.85
C. = 1/4 - 1/2	3800	Pin. H. - 29.85
	3900	Bar. - 29.85
	4000	Pin. H. - 29.85

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Surf Temp.			
50	1 Therm. 1 No. 8 silk line 200			
100	2.55.00 - 3.12.18			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *576* Date *May 1*

Machine.

Reel.

*Navy Type 5*Turns *7* Cor. + *16*Depth *756*Shot or lead *35 lbs*Bottom *gn M*

Bottom temperature

No. of thermometer *22246* Cor.

Corrected temperature

Air *54* Surface *57* DriftTrawl or dredge *7 ft 2 ft*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*10, 58**to travel 50 minutes**Lowered day of 10
(4)*

	2500	
	2600	
	2700	318.4
	2800	314.5
44.558.2	2900	310.4
	3000	306.4
	3100	302.4
44.558.2	3200	298.3
	3300	
	3400	
	3500	
9.37 (11)	3600	
	3700	
11.74 39.00 8.15 11.00 12.00	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	10.08			
50	3 1/4 = 10.19			
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

3 feet left for second with rate of
 11.74 39.00 8.15 11.00 12.00

No. 11.5

Date May 21 1881

Machine. Sigsbee

Reel. Sigsbee

Turns 949 Cor. + 67

Depth 1016 fms.

Shot or lead

Bottom gy. m. s. l.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 56°

Surface 56°

Drift

Trawl or dredge 10' B. K. per. gu. 2 5/8" dia. 3 net, 2 floats.

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

12.43.20

1.00.00

0

12.42.20

2.12.10

100

46.30

08.25

200

51.20

04.40

300

52.30

2.01.15

400

—

57.40

500

57.00

53.40

600

1.01.30

49.40

700

03.40

46.00

800

06.20

42.00

900

12.00

38.40

1000

20.00

34.00

1100

1.22.00

1.22.20

1200

18 min

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Very good haul,
muddy bottom.Some fine on sea,
muddy. No mud;
fine shell in net when
haul out, thrown out
sea of very large mesh
2" fine mesh.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
Dr. Conic, E. by S.	3100	Direction 12 12 km.
Fair heavy breeze.	3200	Lat. 50° — S.E.
to 21 mph.	3300	Bar. — 30.2.
Gentle breeze, S.S.W.	3400	Salinity — 15.45.
General sea.	3500	Current? — S.E. 1/2 S.
Bar. 29.87	3600	Sp. Lat. — 14.9 W.
Temp. 61°	3700	Sp. Lat. — S.E. 1/2 S.
Vol. 1000 m. 1000 m. 1000 m.	3800	
C = 1000 m. 1000 m.	3900	
6 1/2 m. 1000 m.	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50			At 2.12.10 ahead	
100			6.4.6	
200			Current 1/2 S.	
300			to 1000 fathoms	
400				
500			S. 1/2 S. 1/2 S.	
600			1000 fathoms, 1150	
700			and on bottom; found	
800			at 1150, on bottom	
900				
1000				

REMARKS:

not
Am. K. 1

No. *Dr 4518* Date *24 May 1904*

Sigsbee Machine. Reel. *#1*

Turns *130* Cor. + *10* Depth *140 fms.*

Shot or lead *35 lb*

Bottom *fine sand.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *57* Surface *55* Drift

Trawl or dredge *10' beam trawl*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>2.05.00</i>	<i>3.30.00</i>
		100	<i>3.09.00</i>	<i>3.22.00</i>
		200	<i>= 16 min.</i>	
<i>1 min. 2 sec.</i>		300		
<i>2.05 -</i>	<i>92 f</i>	400		
<i>2.08 -</i>	<i>70</i>	500		
<i>3.10 -</i>	<i>75</i>	600		
<i>3.12 -</i>	<i>71</i>	700		
<i>3.14 -</i>	<i>70</i>	800		
<i>3.16 -</i>	<i>70</i>	900		
<i>3.18 -</i>	<i>70</i>	1000		
<i>3.20 -</i>	<i>70</i>	1100		
<i>3.22 -</i>	<i>67</i>	1200		
<i>3.24 -</i>	<i>66</i>	1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

fine sand, shells, etc.
fine sand,
fine sand,
(fine sand)

	2500	
	2600	
	2700	
	2800	
Dr. Cruise, E. S. T.	2900	Position:
Clear, cloudy & hazy horizon	3000	2.22.00 p.
Therm. surface, S. S. W.	3100	Surface - 22.5.00 E.
Fairly smooth sea.	3200	Sea - 22.5.00 E.
Wind, 27. 85	3300	Saline? - 22.5.00 E.
Therm. at 600	3400	2.00.00 p.
Therm. at 1000	3500	Surface - 22.5.00 E.
Arctic, and several	3600	Sea - 22.5.00 E.
Whales around ship.	3700	Saline - 22.5.00 E.
C. 4. 10. 15.	3800	Surface - 22.5.00 E.
	3900	Surface - 22.5.00 E.
	4000	Surface - 22.5.00 E.
		2.55.00 p.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200	2.12	2.22		
300	2.15	2.25		
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 7

Date

May 26, 1906

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

35 lb.

35 fms

Bottom

brgy/s.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

26°

Drift

Trawl or dredge

SOUNDING WIRE

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

8.53.00 - 32

Handwritten notes at the top left of the page.

Position, Angle & Bearings

<i>Handwritten notes in the left margin, including "Bar 29.8" and "110".</i>		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *2* Date *May 2*

Machine. Reel. *1*

Turns Cor. + Depth

Shot or lead *25 lbs* *44 fms.*

Bottom *gn M.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *57°* Surface *56°* Drift

Trawl or dredge *10' Blake*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	9.10.00	9.25.30
		50		
		100	14.0	
		200		9.22.20
		300	time out 45	
		400	time out 9.24	
		✓ 500		
		600		
		700		
		800		
		✓ 900		
		1000		
		1100		
		1200		
		✓ 1300		
		1400		
		1500		
		1600		
9.28 = 65 + 5 =	70	1700		
9.29 = 75 + 6 =	81	1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4521* Date *Jan 16, 1907*

Machine. Reel.

Turns *Cor. 1* Depth *119 fms.*Shot or lead *35 lbs.* *119 fms.*Bottom *gn M*

Bottom temperature

No. of thermometer *1* Cor.

Corrected temperature

Air *25°* Surface *56°* DriftTrawl or dredge *1' 3"*

SOUNDING WIRE.

DOWN. *9* UP.

TURNS.

DREDGE ROPE.

DOWN. UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

$$110 + 9 = 119$$

$$100 + 12 + 9 = 121$$

$$120 + 10 = 130$$

$$130 + 10 = 140$$

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4577*Date *May 22 1898*

Machine.

Reel.

Turns

Cor. +

Depth

~~Shot~~ or lead *26 lb.*

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

9°

Surface

56°

Drift

Trawl or dredge *10' T.*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Think**count off the*

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4, M. 10.27.0
Loss of tank 63° 52'
S.A. 2/8.5

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4500* Date *Mar 26*

Machine. Reel.

Turns *100* Cor. + *8* Depth *108*Shot or lead *35 lb.*Bottom *At M*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *63°* Surface *57°* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No. 4524 Date

Signature Machine. Reel. 1

Turns 211 Cor. + 17 Depth 228

Shot or lead 35 lb

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air Surface 51.0 Drift

Trawl or dredge 10' B.

SOUNDING WIRE.

DOWN. A M UP.

TURNS.

DREDGE ROPE.

DOWN. UP.

11.25.00 ✓ 11.28.00

0

50

100

150

200

250

300

350

400

450

500

550

600

650

700

750

800

850

900

950

1000

1050

1100

1150

1200

1250

1300

1350

1400

1450

1500

1550

1600

1650

1700

1750

1800

1850

1900

1950

2000

2050

2100

2150

2200

2250

2300

2350

2400

<div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> <div>500</div> </div>	2500	
	2600	57
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4525* Date *3.6 Mar 1901*
Sigsbee Machine. Reel. *1*
 Turns *206* Cor. + *16* Depth *222 fms.*

Shot or lead *35 lb*

Bottom *gy. M.*

Bottom temperature

No. of thermometer — Cor.

Corrected temperature

Air *60°* Surface *57°* Drift

Trawl or dredge *10' Blake, 2 fms, 2 fms, 2 fms*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.11.20</i>	✓	0	<i>1.15.50</i>	<i>1.16.00</i>
		100	<i>20.00</i>	<i>52 10</i>
<i>Inter. Sigs.</i>		200	<i>22.00</i>	<i>49 20</i>
		300	<i>26.30</i>	<i>46 20</i>
<i>1.24 - 226 fms.</i>		350	<i>28.00</i>	<i>43 20</i>
<i>1.30 - 222 "</i>	✓	400		
		500	<i>= 18 min.</i>	
		600		
		700		
		800	<i>Genl. character of bottom:</i>	
		900		
		1000	<i>very soft mud; very hard bank.</i>	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

A whale came
 up under ship
 then was carried
 away by force of
 the sounding wire
 from the Sigsbee
 Machine. This is
 the 2nd time during
 this cruise that whale
 have interfered with ship

	2500	
	2600	
	2700	
	2800	
	2900	
Dr. course, SW.	3000	Position:
Clear, very bright.	3100	1. 11.20 am.
W. wind, breeze, S.W.	3200	Now-Tank 52°30'
Clear, bright, S.W.	3300	Now 0 - 54°15'E
Bar. 29.92	3400	
Therm. at 62°	3500	1.35
Numerous small, greenish,	3600	Now-Tank 52°00'
and small white. Also	3700	Now 0 - NEX 178E
red ones.	3800	
C = 242.	3900	1.45. 10
	4000	Now-Tank 51°35'

36.6 - 100

SERIAL TEMPERATURES.

Now 0 - NEX 178E

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	52.11			1.50.29
50	51.52		Sal-Moss - 41°19'	
100			Now-Tank - 51°25'	
200				
300				
400			At 1:56 out p.l.	
500			to run 1 1/4 mile full	
600			speed; W.N.W.	
700				
800				
900				
1000				

REMARKS:



No. *Dr. 4526* Date *26 May, 1916*
Sigsbee Machine. Reel. *#1*
 Turns *189* Cor. + *15* Depth *204 fms.*
~~Shot or lead~~ *35 lb.*
 Bottom *gy. m. s.*
 Bottom temperature —
 No. of thermometer — Cor. —
 Corrected temperature —
 Air *59°* Surface *57°* Drift —
 Trawl or dredge *10' Blake*

SOUNDING WIRE.

DOWN.	UP.
<i>2.12.45</i>	<i>8</i>
<i>1.45</i>	<i>2.45</i>
<i>2.26</i>	<i>2.22</i>
<i>2.40</i>	<i>2.39</i>

TURNS.

0
100
200
270
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

DREDGE ROPE.

DOWN.	UP.
<i>2.12.45</i>	<i>2.55.00</i>
<i>16.40</i>	<i>52.30</i>
<i>22.00</i>	<i>2.45.10</i>
<i>2.22.33</i>	<i>2.42.20</i>
<i>2.40.00</i>	<i>2.39.00</i>
<i>2.58.10</i>	<i>2.35.40</i>
<i>3.18.20</i>	<i>2.32.20</i>
<i>3.38.30</i>	<i>2.29.00</i>
<i>3.58.40</i>	<i>2.25.40</i>
<i>4.18.50</i>	<i>2.22.20</i>
<i>4.39.00</i>	<i>2.19.00</i>
<i>4.59.10</i>	<i>2.15.40</i>
<i>5.19.20</i>	<i>2.12.20</i>
<i>5.39.30</i>	<i>2.09.00</i>
<i>5.59.40</i>	<i>2.05.40</i>
<i>6.19.50</i>	<i>2.02.20</i>
<i>6.40.00</i>	<i>1.59.00</i>
<i>7.00.10</i>	<i>1.55.40</i>
<i>7.20.20</i>	<i>1.52.20</i>
<i>7.40.30</i>	<i>1.49.00</i>
<i>8.00.40</i>	<i>1.45.40</i>
<i>8.20.50</i>	<i>1.42.20</i>
<i>8.41.00</i>	<i>1.39.00</i>
<i>9.01.10</i>	<i>1.35.40</i>
<i>9.21.20</i>	<i>1.32.20</i>
<i>9.41.30</i>	<i>1.29.00</i>
<i>10.01.40</i>	<i>1.25.40</i>
<i>10.21.50</i>	<i>1.22.20</i>
<i>10.42.00</i>	<i>1.19.00</i>
<i>11.02.10</i>	<i>1.15.40</i>
<i>11.22.20</i>	<i>1.12.20</i>
<i>11.42.30</i>	<i>1.09.00</i>
<i>12.02.40</i>	<i>1.05.40</i>
<i>12.22.50</i>	<i>1.02.20</i>
<i>12.43.00</i>	<i>0.59.00</i>
<i>13.03.10</i>	<i>0.55.40</i>
<i>13.23.20</i>	<i>0.52.20</i>
<i>13.43.30</i>	<i>0.49.00</i>
<i>14.03.40</i>	<i>0.45.40</i>
<i>14.23.50</i>	<i>0.42.20</i>
<i>14.44.00</i>	<i>0.39.00</i>
<i>15.04.10</i>	<i>0.35.40</i>
<i>15.24.20</i>	<i>0.32.20</i>
<i>15.44.30</i>	<i>0.29.00</i>
<i>16.04.40</i>	<i>0.25.40</i>
<i>16.24.50</i>	<i>0.22.20</i>
<i>16.45.00</i>	<i>0.19.00</i>
<i>17.05.10</i>	<i>0.15.40</i>
<i>17.25.20</i>	<i>0.12.20</i>
<i>17.45.30</i>	<i>0.09.00</i>
<i>18.05.40</i>	<i>0.05.40</i>
<i>18.25.50</i>	<i>0.02.20</i>
<i>18.46.00</i>	<i>0.00.00</i>

Good haul
Soft Mud
Good haul
Not a good haul
near end line.

		2500	
		2600	
		2700	
		2800	
Dr. Conner, S.W.		2900	Position:
Clear, large, irregular.		3000	2.14.00
Horizontal surface, 2.5 m.		3100	Sal. - Wm. 34.07
Chamber. Same.		3200	Pres. Temp. 50° 25'
Mar. 29. 93		3300	2.26.00
Therm. at 1.5°		3400	Sal. - Wm. 34.07
Some animal life as		3500	Pres. Temp. 50° 15'
on previous station.		3600	2.28.25
3-5+ m. (by)		3700	Sal. - Wm. 34.07
		3800	Pres. Temp. 49° 04'
2600 - 142		3900	2.30.00
110		4000	Sal. - Wm. 36.07
5000			Pres. Temp. 49° 25'

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *D-4527* Date *26 May 14*

Sigsbee Machine. Reel. *#1 Navy*

Turns *261* Cor. + *21* Depth *282 fms.*

~~Shot or lead~~ *35 lb*

Bottom *h. S.*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air *58°* Surface *56°* Drift *—*

Trawl or dredge *9' beam, Smith, Sigsbee & Co.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5.00</i>	<i>✓</i>	0	<i>5.17.00</i>	<i>3.57.00</i>
		100	<i>21.00</i>	<i>57.00</i>
		200	<i>22.00</i>	<i>12.00</i>
<i>2.27</i>	<i>211 fms</i>	300	<i>23.00</i>	<i>3.50</i>
<i>2.49</i>	<i>207 " ✓</i>	400	<i>24.00</i>	
<i>3.10</i>	<i>265 "</i>	500	<i>25.00</i>	<i>2.00</i>
<i>3.37</i>	<i>270 "</i>	600	<i>26.00</i>	<i>line in 10</i>
<i>3.52</i>	<i>185 " ✓</i>	700	<i>27.00</i>	<i>line = 3.20 fms. out,</i>
<i>3.55</i>	<i>180 "</i>	800	<i>28.00</i>	<i>line = 3.50 fms. out</i>
		900		<i>line = 4.20 fms. out</i>
		1000		<i>line = 4.50 fms. out</i>
		1100		<i>line = 5.20 fms. out</i>
		1200		<i>line = 5.50 fms. out</i>
		1300		
		1400		<i>General character</i>
		1500		<i>of bottom:</i>
		1600		<i>hard sandy bottom,</i>
		1700		<i>cont. sand.</i>
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
Dr. ... SSW.	2900	Location -
Comp. ...	3000	Sal. - 37°06' 3.15
... SSW	3100	Temp. - 47°00'
... SSW	3200	2.27
Bar 29.72	3300	Sal. - 37°15'
Term 11.65°	3400	Temp. - 47°00'
Dimensions ...	3500	3.42
α low ...	3600	Sal. - 37°22'
C - 11	3700	Temp. - 44°43'
	3800	2.58.59
	3900	Sal. - 36°00'
	4000	Temp. - 42°00'

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *21*

Date *May 10 1902*

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

56°

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

9.45

9.56.

10.16 -

0

100

200

300

✓ 400

✓ 500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

<i>47</i> <i>Bar 30.06</i> <i>11.2.1888</i>		2500	
		2600	<i>2500 3000 3500</i>
		2700	
		2800	
		2900	
		3000	
		3100	
	<i>2500 3000 3500</i>	3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

run.

No.

Date

Machine.

Reel.

Turns 54 Cor. + 55

Depth 109

Shot or lead 35 lbs

Bottom hard

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.46.00 - 12.05.00

10

100

200

300

400

500

600

700

800

900

925

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Smith's Sounding

11. 7. 15 - 99 - 59 - 670 + 53 = 723 "

11. 7. 15 - 99 - 59 - 670 + 53 = 723 "

59 - 670 + 53 = 723 "

59 - 670 + 53 = 723 "

59 - 670 + 53 = 723 "

59 - 670 + 53 = 723 "

59 - 670 + 53 = 723 "

59 - 670 + 53 = 723 "

59 - 670 + 53 = 723 "

59 - 670 + 53 = 723 "

59 - 670 + 53 = 723 "

59 - 670 + 53 = 723 "

59 - 670 + 53 = 723 "

59 - 670 + 53 = 723 "

38.1	2500	
38.1	2600	
B.	2700	
	2800	
Wind light air in off	2900	
Weather, sea, surface	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
12.2.2	3800	
12.3.2	3900	
12.4.2	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *7112* Date *27 May, 04.*
Sigsbee Machine. Reel. *#1 Navy.*
 Turns *665* Cor. + *52* Depth *717 fms.*
 Shot ~~or lead~~ *35 lb*

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

~~Trawl or dredge 8' Bl. Alb. No. 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000~~

From SOUNDING WIRE.

From DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>15.00</i>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

General character
of Bottom.

	2500		
	2600		
	2700		
	2800		
Dr. Corvus.	2900	Position	
Fair, hazy over land.	3000		1.15.00
South breeze from S.W.	3100	Lat. 40. -	22.53.45.
Dr. - Sea.	3200	Course 25. -	S. 40.
Bar.	3300		
Ther. 56.	3400		
Thimble jacks and	3500		
small birds; a few sea	3600		
gulls.	3700		
	3800		
	3900		
3609 - 143.	4000		

665 - 9
 6000 - 6
 SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *204-30* Date *2nd June 1904*
Sigsbee Machine. Reel. *21* Varn.
 Turns *958* Cor. + *55* Depth *958 fms.*
 Shot or lead *35 lb*
 Bottom

Bottom temperature

No. of thermometer *1* Cor.

Corrected temperature

Air *60°* Surface *58°* Drift

Trawl or dredge *Pl. - 100 fms, 2 ft. Sigsbee, 3 ft.*

SOUNDING WIRE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>1.40.15</i>	<i>2.02.00</i>	0	<i>1.49.15</i>	<i>2.51.00</i>
		100	<i>2.02.40</i>	<i>47.30</i>
<i>Inter. Sigs.</i>		200	<i>05.20</i>	<i>43.00</i>
<i>2.25</i>	<i>04.15</i>	300	<i>08.35</i>	<i>30.10</i>
<i>2.45</i>	<i>03.15</i>	400	<i>11.30</i>	<i>25.25</i>
		500	<i>14.30</i>	<i>31.45</i>
		600	<i>16.40</i>	<i>28.15</i>
		700	<i>19.15</i>	<i>23.30</i>
		800	<i>22.10</i>	<i>19.00</i>
		900	<i>25.15</i>	<i>14.20</i>
		1000	<i>28.45</i>	<i>08.30</i>
		1050	<i>2.30.00</i>	<i>3.01.40</i>
		1100		
		1200	<i>= 38 min.</i>	
		1300		
		1400	<i>Heavy strain when heaving up: C = 8 1/2.</i>	
		1500		
		1600		
		1700	<i>Genl. character of Bottom:</i>	
		1800		
		1900	<i>Very soft mud; rich in shell.</i>	
		2000		
		2100	<i>Net came up torn.</i>	
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
Dr. Conner, Smith	2900	Position: 1.55
Thin, sandy over land.	3000	Lat. No. — 51° 10' N.
Gentle slope, S. 15.	3100	Green. No. — 20142
Smooth Sea.	3200	— 2.20.
P. on. 20. 06	3300	Lat. No. — 51° 10' N.
Thin. 11. 59. 9	3400	Green. No. — 20142
Thinner. 11. 59. 9	3500	— 2.50
Sand, fine. 11. 59. 9	3600	Lat. No. — 51° 10' N.
fine. 11. 59. 9	3700	Green. No. — 20142
C. 2. 11. 59. 9	3800	— 2.50
	3900	
	4000	

5000 - 94.5
 900 - 94.5
 29.09 - 55.5

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
x) 200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:


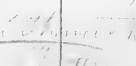

No. *D, 14531* Date *Nov 30 1901*Tanner Machine. Reel. *Tanner*Turns *26* Cor. + *0* DepthShot or lead *26 lbs*Bottom *fine sand S. & S.*

Bottom temperature

No. of thermometer *1* Cor.

Corrected temperature

Air *57°* Surface *58°* DriftTrawl or dredge *10' beam trawl*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.00</i>	<i>8.03.30</i>	<i>0</i>	<i>8.02.00</i>	<i>8.23.00</i>
		<i>100</i>		
<i>4</i>	<i>11</i>	<i>44</i>	<i>8.19.00</i>	
		<i>200</i>		
<i>07 - 26</i>	<i>+0 - 26</i>	<i>300</i>	<i>5</i>	
<i>10 - 27</i>	<i>+0 - 27</i>	<i>400</i>	<i>Longitudinal middle bar of Trawl came up</i>	
<i>12 - 28</i>	<i>+0 - 28</i>	<i>500</i>		
		<i>600</i>	<i>br. it. net to</i>	
		<i>700</i>		
		<i>800</i>		
		<i>900</i>		
		<i>1000</i>	<i>sp. of ...</i>	
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>	<i>Speed haul made</i>	
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
<i>0</i>		<i>2100</i>		
		<i>2200</i>		
<i>11</i>		<i>2300</i>		
		<i>2400</i>		

2500	
2600	
2700	
2800	
2900	
3000	
3100	
3200	
3300	
3400	
3500	
3600	
3700	
3800	
3900	
4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
		0	36	
		100	37	
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4523* Date *March 1900*

Machine. Reel.

Turns *291* Cor. + *2* DepthShot or lead *35 lbs*Bottom *gn M S*Bottom temperature *-*

No. of thermometer Cor.

Corrected temperature *-*Air *58°* Surface DriftTrawl or dredge *8' beam trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

System Rock S E 57

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *17 4534* Date*Sigsbee* Machine. Reel.Turns *80* Cor. + *6* DepthShot or lead *36 lb*Bottom *hard c*

Bottom temperature

No. of thermometer *7* Cor.

Corrected temperature

Air *55* Surface *57* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

110

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

10. 12.

14

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

li.

E 1/2 N

34, 35"

60°

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr 4535* Date *May 11*

Machine. *Reel.*

Turns *66* Cor. + *5* Depth *71*

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature -

Air *55°* Surface *51°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Bar 30.4
 Watt 60
 rest on

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 1536* Date *31 March 1881*
Sigsbee Machine. Reel. *Navy*
 Turns *938* Cor. + *65* Depth *1006 fms*
 Shot or lead *35.2* (vertical cast)
 Bottom *M. S.*
 Bottom temperature *Rec. Inter. Sigs.*
 No. of thermometer *98246* Cor.
 Corrected temperature *-*
 Air *67°* Surface *58°* Drift
 Trawl or dredge *8' Bl. - fine, Prevost, Sigsbee, 2 ft. 2 ft.*

Am. SOUNDING WIRE.

Am. DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>9.56.00</i>	<i>9.15.45</i>	0	<i>9.11.45</i>	<i>10.50.20</i>
		100	<i>9.15.00</i>	<i>10.45.00</i>
		200	<i>10.00</i>	<i>10.40.00</i>
<i>Inter. Sigs.</i>		300	<i>21.00</i>	<i>10.35.00</i>
<i>9.55.00</i>	<i>10.11.00</i>	400	<i>25.10</i>	<i>10.30.00</i>
<i>10.20.00</i>	<i>10.41.00</i>	500	<i>27.10</i>	<i>10.25.00</i>
		600	<i>29.30</i>	<i>10.20.00</i>
		700	<i>32.00</i>	<i>10.15.00</i>
		800	<i>35.10</i>	<i>10.10.00</i>
		900	<i>37.50</i>	<i>10.05.00</i>
		1000	<i>40.00</i>	<i>10.00.00</i>
		1100	<i>42.10</i>	<i>9.55.00</i>
		1200	<i>45.45</i>	<i>9.50.00</i>
		1300	<i>9.45.00</i>	<i>10.00.00</i>
		1400		<i>10.05.00</i>
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
Dr. ...	3000	Pos. ...
Fair, heavy ...	3100	Cyprus ...
Calm.	3200	Lat. Ho. - E 3/4 S.
Small Sea	3300	9.23.
Bar. 30. 12	3400	Cyprus ...
Th. 75. 22°	3500	Lat. Ho. - E 3/4 S.
... of ...	3600	9.25
E. 2. 2 1/2, 4, 5	3700	Cyprus ...
	3800	Lat. Ho. - E 3/4 S.
	3900	Cyprus ...
1000 - 1142	4000	Lat. Ho. - E 1/4 S

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	10. 10			
50	9. 12			
100	9. 18			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4537* Date *31 May 1904*Sigsbee Machine. Reel. *1*Turns *990* Cor. + *72* Depth *1062*Shot ~~on lead~~ *35 lb*Bottom *hd S G M*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *60* Surface *59* DriftTrawl or dredge *10' Beam trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*11.22.00**12.00.00**12.00.00 - 8.51.00**10.30.00**11.00.30**11.10.00**11.20.00**11.30.00**11.40.00**11.50.00**12.00.00**12.10.00**12.20.00**12.30.00**12.40.00**12.50.00**13.00.00**13.10.00**13.20.00**13.30.00**13.40.00**13.50.00**14.00.00**14.10.00**14.20.00**14.30.00**14.40.00**14.50.00*

	2500	
	2600	
	2700	
	2800	<i>10.00</i>
	2900	<i>11.00</i>
<i>Dr. 1000. S.S.E.</i>	3000	<i>11.00</i>
<i>Dr. 1000. S.S.E.</i>	3100	<i>11.00</i>
<i>Dr. 1000. S.S.E.</i>	3200	<i>11.00</i>
<i>Dr. 1000. S.S.E.</i>	3300	<i>11.00</i>
<i>Dr. 1000. S.S.E.</i>	3400	<i>11.00</i>
<i>Dr. 1000. S.S.E.</i>	3500	<i>11.00</i>
<i>Dr. 1000. S.S.E.</i>	3600	<i>11.00</i>
<i>Dr. 1000. S.S.E.</i>	3700	<i>11.00</i>
<i>Dr. 1000. S.S.E.</i>	3800	<i>11.00</i>
<i>Dr. 1000. S.S.E.</i>	3900	<i>11.00</i>
<i>Dr. 1000. S.S.E.</i>	4000	<i>11.00</i>

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 2

Date 11

Sinker ... Machine. Reel 1/2 (1/2)

Turns 210 Cor. + 61 Depth

Shot ~~in lead~~ 35 lbs Sinker (E. side)

Bottom see second or third

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 58° Surface 59 Drift

Trawl or dredge 8' BLA 1/2

SOUNDING WIRE.

DOWN. P. M. UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600 ⁵	
	3700	
	3800	
	3900	
	4000	

Serial temperatures
SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

100.

No.

Date May 31 1904

Machine.

Reel.

Turns 564 Cor. +

Depth

Shot or lead 36 lbs Lead

Bottom mud. S. M.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 58° Surface 58° Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3. 32 30	3. 39. 00	0	
		100	
		200	
42. 480	+ 38 = 518	300	
		400	
4 420	+ 35 = 455	500	
		600	
		700	
		800	
		900	
		1000	
		1100	
		1200	
		1300	
		1400	
		1500	
		1600	
		1700	
		1800	
		1900	
		2000	
		2100	
		2200	
		2300	
		2400	

2500	
2600	
2700	
2800	
2900	
3000	
3100	
3200	4.7
3300	4.4 p.m.
3400	4.5 p.m.
3500	
3600	
3700	
3800	
3900	
4000	

14085 SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	36.04			
50	43.0			
100	41.74			
200				
300	43.0			
400	31			
500	41.05			
600				
700				
800				
900				
1000				

REMARKS:

No. 540 Date Dec. 11, 1906
 Machine. Reel. good up & down east
 Turns 510 Cor. + 111 Depth 621
 Shot or lead 35 lb Shot
 Bottom gm M
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air 64° Surface 71° Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN. A	M. UP.		DOWN.	M. UP.
9:04.00 ✓	9.13.00	0	05.30	10.20.00
		100	10.00	15.50
		200	1	12.40
9.27.48 9.4	39 = 5	300		09.30
used 36 lb line		400		06.00
9.42.36 9.42	22.20	500		10.02.00
10.05.32 4.26	= 5.50	600		9.57.30
		700	28 =	
		800		48.00
		900	34 ✓	
		1000	37 00	
		1100	time out from 9.28 to	
		1200	to 9.43 = 14 1/2 min.	
		1300		
		1400		
		1500		
		1600		
		1700	"Very good haul"	
		1800	"fertile bottom"	
		1900		
		2000		
		2100	Good Character	
		2200	relation	
		2300		
		2400		

Paid out to 965, view upon
 finding very shallow water
 began to bear wind
 upon getting a still

improvement developed a
 mistake in the initial
 to

have been reported as
 510 and not as 910

made accordingly

Log 50.1 at 8.52 A.

		2500	
		2600	Cypress Point
		2700	
		2800	
		2900	
		3000	
		3100	the cypress
		3200	
		3300	at 10
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4541

Date June 18 1881

Machine. Reel.

Turns Cor. + Depth

Shot or lead 35 lb

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 61° Surface Drift

Trawl or dredge 10' 9' Lake & same Tilling's

SOUNDING WIRE.

DOWN. A M. UP.

TURNS.

DREDGE ROPE.

DOWN. UP.

10.28.30 10.34.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

General Character

"Good haul"

2,

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

5071
 Frueh

No. Dr. 4542 Date 1 June, 1904.

Sigsbee Machine. Reel. 1 Navy.

Turns 627 Cor. + 50 Depth 677 fms.

~~Shot or lead~~ 35x

Bottom hard M

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 60° Surface 59° Drift —

Trawl or dredge 9' Fur. accessories is before.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.15.00	—	0	1.05.10	2.17.00
		100	10.45	12.10
		200	12.15	10.40
		300	17.00	07.00
		400	20.00	—
		500	22.00	03.40
		550	—	02.00
		600	26.20	58.00
		—	—	52.00
		700	30.00	—
		750	32.00	—
		800	—	—
		900	Towing from 1.30 to 1.58	
		1000		
		1100	Foul. anchor	
		1200		
		1300	of	
		1400		
		1500	had bottom (red)	
		1600		
		1700	had	
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Inter. Sigsbee

1.32 - 456

1.42 - 459

1.52 - 419

2.00 - 331

1.07 - 236

		2500	
		2600	
		2700	
		2800	
Dr. Course, Ex. S. S. S.		2900	Position:
Fair, hazy over land.		3000	1.12.10
Light breeze from west.		3100	Track: 147 5/8 E
Smooth Sea.		3200	Lat. 40: 52.
Bar. 30.22		3300	Long. 55.10 E
Therm. air. 61.4°		3400	Wind: S. S. W. 15.
Greenish, white		3500	
C = 2, 3/4		3600	1.08
		3700	Lat. 40: 55.42
		3800	Long. 55.10 E
		3900	Track: 147.
3609 - 143		4000	

SERIAL TEMPERATURES.

Feb.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Frank

No. *Dr. 4543* Date *1 June.*
 Sigsbee Machine. Reel. *No. 1* *1200*
 Turns *109* Cor. *1* Depth *110 fms.*
 Shot or lead *35 lb* *93 fms*
 Bottom *h. d., r. k.*
 Bottom temperature *-*
 No. of thermometer *-* Cor. *-*
 Corrected temperature *-*
 Air *-* Surface *-* Drift *-*
 Trawl or dredge *9' T. as before.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.22</i>		0	<i>2.22</i>	<i>3.25.15</i>
		10		<i>3.25.00</i>
		20		<i>3.24.45</i>
		30		<i>3.24.30</i>
		40		<i>3.24.15</i>
		50		<i>3.24.00</i>
		60		<i>3.23.45</i>
		70		<i>3.23.30</i>
		80		<i>3.23.15</i>
		90		<i>3.23.00</i>
		100		<i>3.22.45</i>
		110		<i>3.22.30</i>
		120		<i>3.22.15</i>
		130		<i>3.22.00</i>
		140		<i>3.21.45</i>
		150		<i>3.21.30</i>
		160		<i>3.21.15</i>
		170		<i>3.21.00</i>
		180		<i>3.20.45</i>
		190		<i>3.20.30</i>
		200		<i>3.20.15</i>
		210		<i>3.20.00</i>
		220		<i>3.19.45</i>
		230		<i>3.19.30</i>
		240		<i>3.19.15</i>

	2500	
	2600	
	2700	
	2800	
Dr. course, E x S.	2900	Position:
Fair, heavy sea land	3000	2.24.00
Gentle breeze from W.	3100	Tank - 1 x E 7/8 E
Smooth sea.	3200	Room - 2 S E 1/4 E
Bar.	3300	Lt. Ho. - S E 3/4 E
Wind.	3400	
2.24.15	3500	2.52
	3600	Lt. Ho. - S E x S.
	3700	Bay - S E x E 1/8 E
	3800	Tank - N x E 3/8 E
3600 - 192	3900	3.06.55
	4000	Lt. Ho. - S 4 H - 19° 28'

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
				3.09.30
25			Lt. Ho. - S 4 H.	20° 00'
50			S 4 H - Bay	19° 55'
100			Bay - Tank	19° 52'
200				2.35.00
300			Lt. Ho. - S 4 H.	21° 34'
400			S 4 H - Bay	20° 24'
500			Bay - Tank	19° 44'
600				2.19.25
700				22° 13'
800				20° 39'
900			7 Bay - S 4 H.	1140 571
1000				3.38
			Lt. Ho. - S S E	
			Bay - S E x E 3/4 E	

REMARKS:

No. *11* Date *June 27, 1904.*
Sigsbee Machine. Reel. *Navy Type #1.*
 Turns *671* Cor. + *52* Depth *723 fms.*
 Shot or lead *net weight of anchor (??)*
 Bottom *fine sand*
 Bottom temperature *5*
 No. of thermometer *5* Cor.
 Corrected temperature
 Air Surface Drift
 Trawl or dredge *G*

SOUNDING WIRE.

DOWN. *11:41* UP.

TURNS.

DREDGE ROPE.

DOWN. UP.

<i>9.49.00</i>	<i>11.00.00</i>	0	<i>11.36.00</i>
<i>9.55</i>		100	<i>"</i>
		200	<i>"</i>
<i>10.07.30</i>	<i>977</i>	300	<i>11.41.00</i>
		400	<i>"</i>
		500	<i>"</i>
<i>10.12.10</i>	<i>1045</i>	600	<i>"</i>
		700	<i>"</i>
		800	<i>"</i>
		900	<i>"</i>
		1000	<i>"</i>
		1100	<i>"</i>
		1200	<i>"</i>
		<i>1250</i>	<i>"</i>
		1300	<i>10 51.00</i>
		1400	<i>5 min. 37 sec.</i>
		1500	
		1600	<i>1 min. 30 sec.</i>
		1700	
		1800	<i>1 min. 30 sec. in the</i>
		1900	<i>bottom very little</i>
		2000	<i>sand on the</i>
		2100	<i>100 lbs. and humors</i>
		2200	<i>Scum catch</i>
		2300	
		2400	

Wtd to be
approx. 1,000 lbs.

	2500	
	2600	
27.17	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
10.96	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
10.96	4000	

SERIAL TEMPERATURES.

DEPTH	TEMP	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns 1000 Cor. +

75

Depth 1124 fms.

Shot or lead 35 lb

= 900 fms.

Bottom hard bottom S. M.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

57

Surface

58

Drift

Trawl or dredge 8' 3 1/2" - 5 1/2" commercial in use

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

12-55.00

1-20 =

0

1.10.10

3.14.00

1-00 =

(?)

100

13.30

10.25

200

15.00

07.50

1-50 =

1-10 =

300

20.00

3.04.30

400

22.40

-

2-05 =

1-20 =

500

25.40

05.30

600

28.10

14.30

700

31.05

09.30

800

34.30

16.00

900

37.15

22.00

1000

40.00

38.00

1100

42.00

34.10

1200

44.00

30.00

1300

46.00

26.00

1400

48.00

23.00

1500

50.00

20.00

1600

52.00

17.00

1700

54.00

14.00

1800

56.00

11.00

1900

58.00

08.00

2000

1.00.00

05.00

2100

1.02.00

02.00

2200

1.04.00

00.00

2300

1.06.00

00.00

2400

1.08.00

00.00

2500

1.10.00

00.00

2600

1.12.00

00.00

2700

1.14.00

00.00

2800

1.16.00

00.00

2900

1.18.00

00.00

3000

1.20.00

00.00

3100

1.22.00

00.00

3200

1.24.00

00.00

3300

1.26.00

00.00

3400

1.28.00

00.00

3500

1.30.00

00.00

3600

1.32.00

00.00

3700

1.34.00

00.00

3800

1.36.00

00.00

3900

1.38.00

00.00

4000

1.40.00

00.00

4100

1.42.00

00.00

4200

1.44.00

00.00

4300

1.46.00

00.00

4400

1.48.00

00.00

4500

1.50.00

00.00

4600

1.52.00

00.00

4700

1.54.00

00.00

4800

1.56.00

00.00

4900

1.58.00

00.00

5000

1.00.00

00.00

5100

1.02.00

00.00

5200

1.04.00

00.00

5300

1.06.00

00.00

5400

1.08.00

00.00

5500

1.10.00

00.00

5600

1.12.00

00.00

5700

1.14.00

00.00

5800

1.16.00

00.00

5900

1.18.00

00.00

6000

1.20.00

00.00

6100

1.22.00

00.00

6200

1.24.00

00.00

6300

1.26.00

00.00

6400

1.28.00

00.00

6500

1.30.00

00.00

6600

1.32.00

00.00

6700

1.34.00

00.00

6800

1.36.00

00.00

6900

1.38.00

00.00

7000

1.40.00

00.00

7100

1.42.00

00.00

7200

1.44.00

00.00

7300

1.46.00

00.00

7400

1.48.00

00.00

7500

1.50.00

00.00

7600

1.52.00

00.00

7700

1.54.00

00.00

7800

1.56.00

00.00

7900

1.58.00

00.00

8000

2.00.00

00.00

8100

2.02.00

00.00

8200

2.04.00

00.00

8300

2.06.00

00.00

8400

2.08.00

00.00

8500

2.10.00

00.00

8600

2.12.00

00.00

8700

2.14.00

00.00

8800

2.16.00

00.00

8900

2.18.00

00.00

9000

2.20.00

00.00

9100

2.22.00

00.00

9200

2.24.00

00.00

9300

2.26.00

00.00

9400

2.28.00

00.00

9500

2.30.00

00.00

9600

2.32.00

00.00

9700

2.34.00

00.00

9800

2.36.00

00.00

9900

2.38.00

00.00

10000

2.40.00

00.00

10100

2.42.00

	2500	
	2600	
	2700	
	2800	
Dr. Cruise Set to 10	2900	Drift, 1.45
Overcast and heavy fog.	3000	Current, 1.50
Under the gale 1.10	3100	1.50
Under the gale.	3200	1.50
Lat. 30. 10	3300	2.00
Long. 61	3400	2.00
Comms. about 1000	3500	2.00
Lat. 30. 10	3600	2.00
Long. 61	3700	2.00
C. 4.4.	3800	
	3900	
	4000	

3609-143 SERIAL TEMPERATURES. 111

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Under the gale 1.10

Under the gale.

Lat. 30. 10

Long. 61

Comms. about 1000

Lat. 30. 10

Long. 61

C. 4.4.

No. *Dr 4546* Date *June 3/ 1901*

545 Machine. Reel. *Stacy Type*

Turns Cor. + *100* Depth *448*

Shot or lead *36 lbs*

Bottom *fine bk. S*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *60°* Surface *56°* Drift

Trawl or dredge *8' Bl. Beam trawl, Williams & Co. Dr 4546*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

		0		10	1.00
		100			
		200	57.00	10	22.50
		300	57.30		
		400	59.50		16.10
9.17.30		500	7.00		15.30
79.8 ft. H ₂ O = 95.0		600	06.10		00.30
in kindling, at 1000 ft.		700	09.10		06.00
at 9.46 a minute later		800			01.
showed a heavy		900			
strain - began to		1000			12.10
		1100			
		1110			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			

General Character of
Bottom
Not badly torn
adhering to
net

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

107
Arki

No. *Dr. 4547*. Date *6 June, 1904*.
Sigsbee Machine. Reel. *#1 Navy*.
 Turns *1010* Cor. + *73* Depth *1083 fms.*

Shot ~~or lead~~ *35 lb*
 Bottom *2 ft. M.*
 Bottom temperature

No. of thermometer — Cor.

Corrected temperature —

Air *61°* Surface *52°* Drift

Trawl or dredge *10' Bk. brn. gny, 2 fts. Sinker, 3 vts.*

Am. SOUNDING WIRE.		TURNS.	Am. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.30.00</i>	✓	0	<i>9.32.00</i>	<i>11.25.00</i>
		100	<i>37.30</i>	<i>32.00</i>
<i>10 min. 2 days.</i>		200	<i>41.45</i>	<i>29.00</i>
		300	—	<i>26.00</i>
		400	<i>47.30</i>	<i>23.00</i>
		500	<i>51.30</i>	<i>19.30</i>
		600	<i>55.30</i>	<i>16.00</i>
		700	<i>57.00</i>	<i>13.20</i>
		800	<i>10.02.50</i>	<i>10.30</i>
		900	<i>07.20</i>	<i>07.30</i>
		1000	<i>11.50</i>	<i>11.02.15</i>
		1100	<i>17.00</i>	<i>58.30</i>
		1200	<i>22.50</i>	<i>53.30</i>
		1300	<i>27.20</i>	<i>49.00</i>
		<i>1380</i>	<i>10.30.00</i>	<i>10.46.00</i>
		<i>1400</i>		
		1500	<i>Heavy strain, c. 7 1/2.</i>	
		1600	<i>at 10.32 hove in 10 fms.</i>	
		1700	<i>at 10.39 hove in 25 fms.</i>	
		1800	<i>Trawling 16 min</i>	
		1900		
		2000	<i>Gen. character</i>	
		2100	<i>of bottom:</i>	
		2200		
		2300		
		2400		



Net mended.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Position: 9.21

Lt Ho Pt. E 5/8 N.

Cypress Pt. E 1/2 S.

Dr. course, r. by N.

Clear; haze horizon.

Fresh breeze from N.W.

Moderate swell, rough sea

Bar. 30.05

Therm. at. 62.

A few gannets around;

collecting to great

numbers.

x) wind increasing in force

and from N.W. - N.E.

C = 7 1/2

SERIAL TEMPERATURES.

+ 1/2 = 141

+ 1/4 = 134

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	36.09	143.		
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

HW R. To locate Portuguese Sledge

No. *Dr* 4548 Date *June 7th 1904*

Tanner Machine. Reel.

Turns *45* Cor. + *1* Depth *46 fms*

Shot or lead *26 lbs*

Bottom *R*

Bottom temperature *see two sets of angles & bearings taken previously and recorded*

No. of thermometer *in next book, Cor. now in use to plot from in Pilot House*

Corrected temperature *at 8.40 and after*

Air *66* Surface *57* Drift

Trawl or dredge *8 tangles on frame*

SOUNDING WIRE.

DOWN. *A.* *M.* UP.

TURNS.

DREDGE ROPE.

DOWN. *A.* *M.* UP.

8.37.00 *8.38.00*

Intermediate Soundings

8.39.00 *47+1 = 48*

" *water on ledge*

" *forty six fms*

8.48.00 *51+1 = 52 fms*

8.50.00 *53+1 = 54*

8.53.30 *53+1 = 54*

8.55.30 *52+1 = 53*

8.58.00 *53+1 = 54*

Long hauled

with Monterey

holing bank pilot

Mrs. Silva on board

to locate bank

Photod men in boat

using several hundred

lines for this purpose

0

50

100

150

200

250

300

350

400

450

500

550

600

650

700

750

800

850

900

950

1000

1050

1100

1150

1200

1250

1300

1350

1400

1450

1500

1550

1600

1650

1700

1750

1800

1850

1900

1950

2000

2050

2100

2150

2200

2250

2300

2350

2400

2450

2500

2550

2600

2650

2700

2750

2800

2850

2900

2950

3000

8.40.00 *9.00.00*

42.30 *8.58.00*

8.45.00

8.47.30 *8.56.30*

time 11 1/2 m.

a number of

handlines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

lines used

in Monterey Bay

Bearings & Angles in next
Record Book from 8. 39 am.
being plotted in Pilot House

Dr Course

West

Bar } are
The all } Record
other } book
remarks } No. 9

Dr 4548 follows upon
Hy 4499 in next book

